

ABSTRACT OF THE DISCLOSURE

A coupling member for connecting a part, provided for receiving or dispensing fuel and made primarily of HDPE (high-density polyethylene), to a fluid line has first, second, and third components made of melttable material. The third component forms a heat fusion joint with the part for receiving or dispensing fuel and has an undesirably high permeability and swelling capacity relative to fuel. The third component is connected to the first component by material bonding and positive-locking action. The second component has greater fuel blocking capacity and higher strength than the third component. The second component is embedded in the third component. A volume ratio of second and third components is selected such that combined properties of the second and third components concerning permeability, strength, and volume changes by swelling are approximated to these same properties of the second component. The first and third components are heat-fusible to one another.